

Title (en)
Remote actuated switch.

Title (de)
Ferngetriebener Schalter.

Title (fr)
Commutateur activé à distance.

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Application
EP 85109160 A 19850722

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Abstract (en)
A solid state remotely actuatable switch (10) is described for testing and remotely disconnecting a circuit. In one embodiment, a solid state bilateral switch (12) such as a triac is connected in series with the remote circuit, and a trigger device such as a diac (20) is connected between the gate (18) of the triac (12) and the remote circuit. The switch (10) is placed within the tip and ring line of a telephone circuit for remotely disconnecting the telephone subscriber's side for testing the remote circuit. In a second embodiment, a remotely actuatable switch includes a field effect transistor (38, 40) connected in series with each tip and ring circuit, a resistance-capacitance time-constant circuit (110, 112) for energizing the FETs and a discharging means for discharging the capacitor of the resistance-capacitance circuit in response to the control signal from the central office. Various devices for disconnecting subscriber circuits are disclosed.

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CPC (source: EP US)
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Cited by
DE4200775C1; US5550894A; US5661776A; EP0757444A1; US5854481A; FR2635244A1; BE1002711A3; GB2256332A; GB2256332B; WO9413090A1; WO9000835A1

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